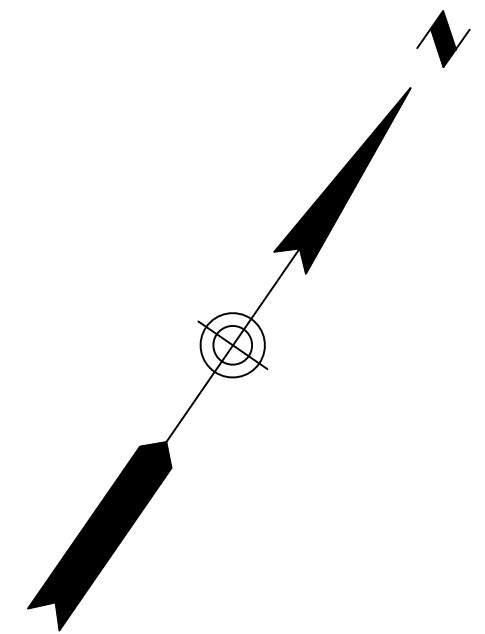
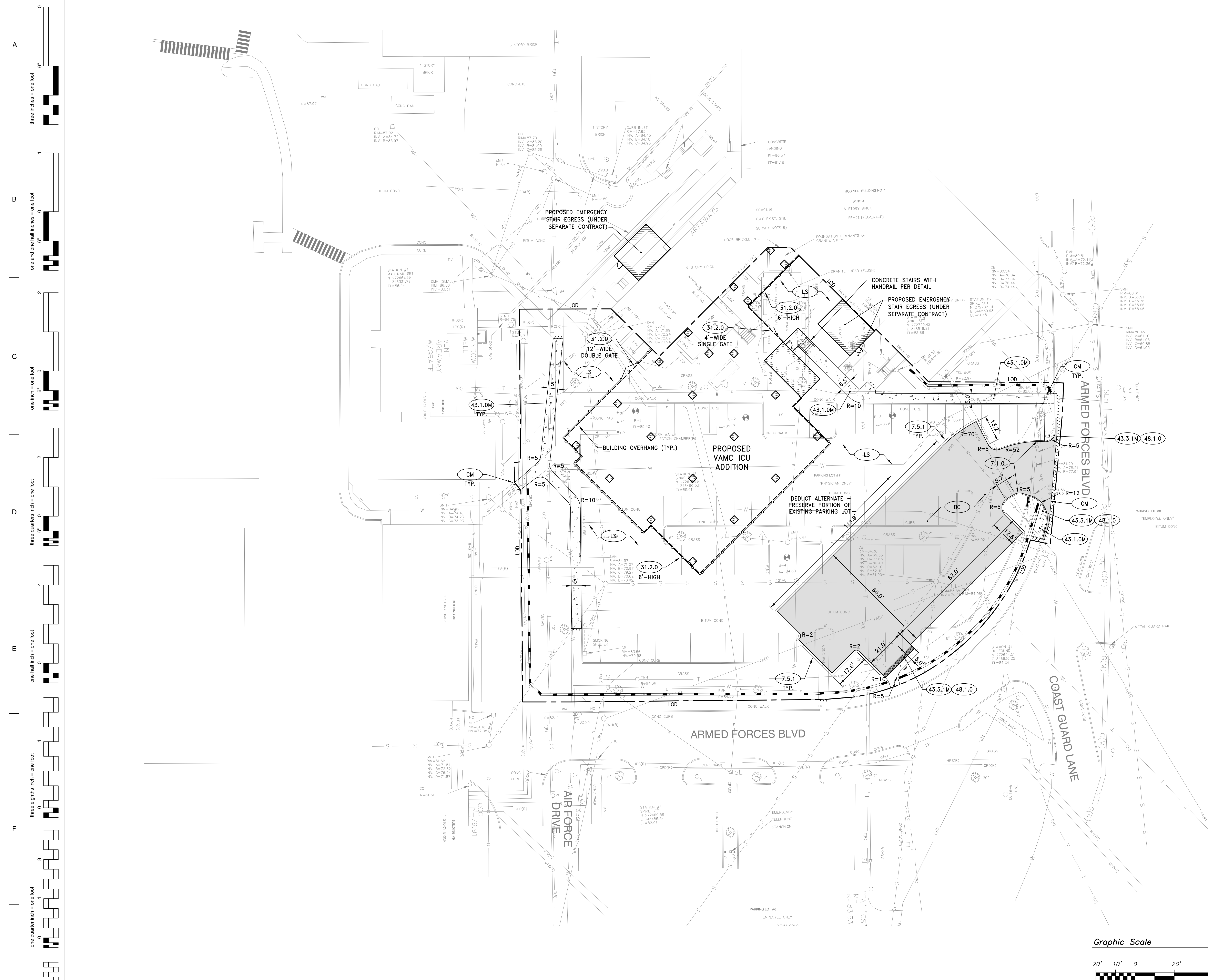


Office of Facilities

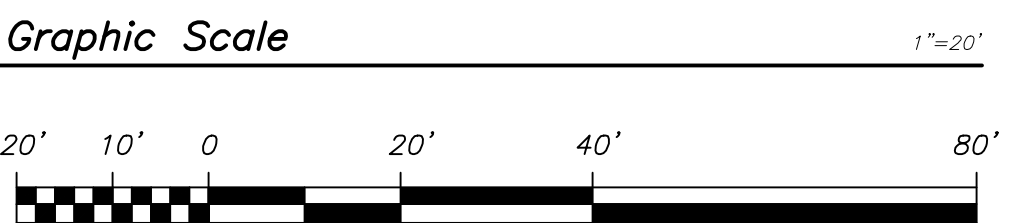
Department of
Veterans Affairs

[illegible]



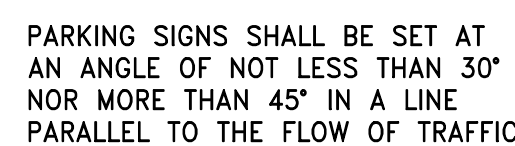
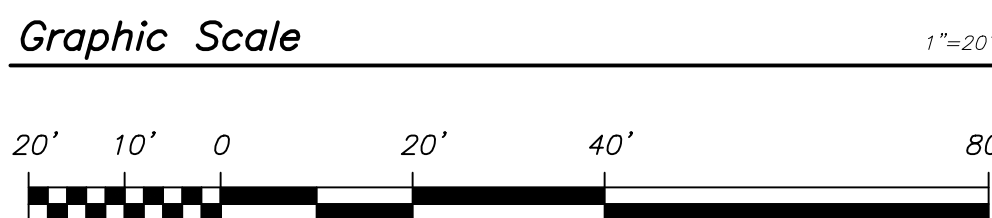
SYMBOL LEGEND

7.1.0	= PRECAST CONCRETE CURB ~ R.I. STD. 7.1.0
7.5.1	= BITUMINOUS BERM ~ R.I. STD. 7.5.1
31.2.0	= CHAIN LINK FENCE ~ R.I. STD. 31.2.0
43.1.0M	= CEMENT CONCRETE SIDEWALK (MODIFIED) ~ R.I. STD. 43.1.0M
43.3.1M	= WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS (MODIFIED) ~ R.I. STD. 43.3.1M
48.1.0	= DETECTABLE WARNING SYSTEM ~ R.I. STD. 48.1.0
BC	= BITUMINOUS CONCRETE PAVEMENT ~ REFER TO DETAIL
CM	= SAWCUT AND MATCH
LS	= LOAM AND SEED
SW4	= 4" WHITE EPOXY RESIN PAVEMENT MARKING
SW12	= 12" WHITE EPOXY RESIN PAVEMENT MARKING



ISSUED FOR CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

[illegible]

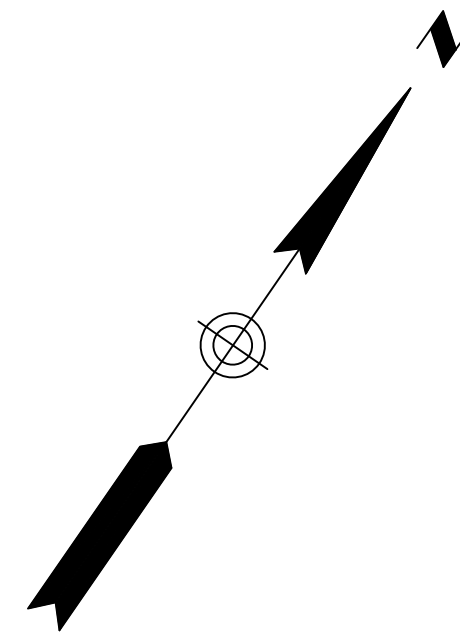
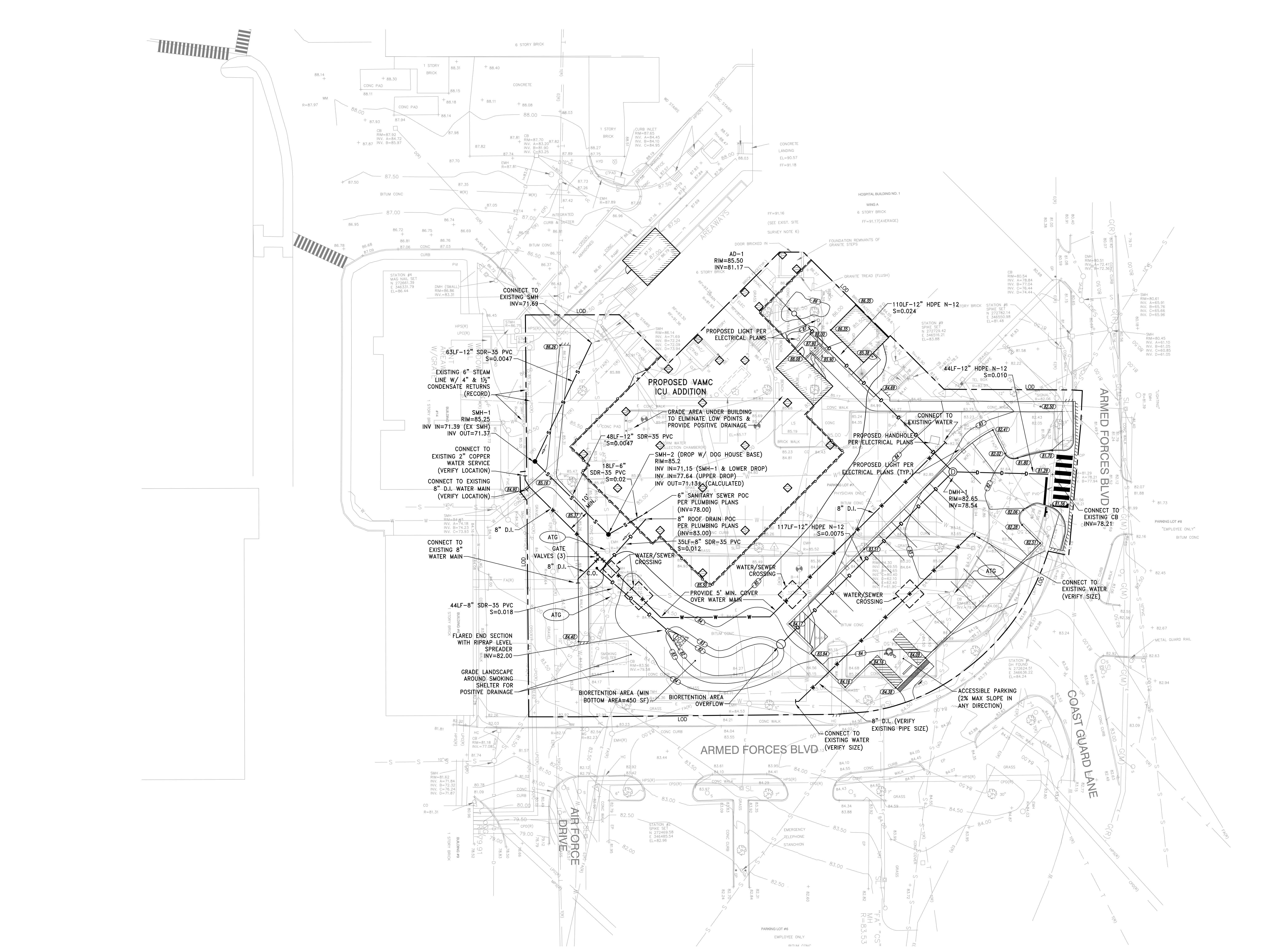


SIGN MOUNTING
NOT TO SCALE



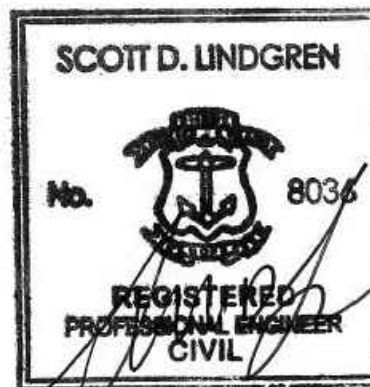
C-3.2





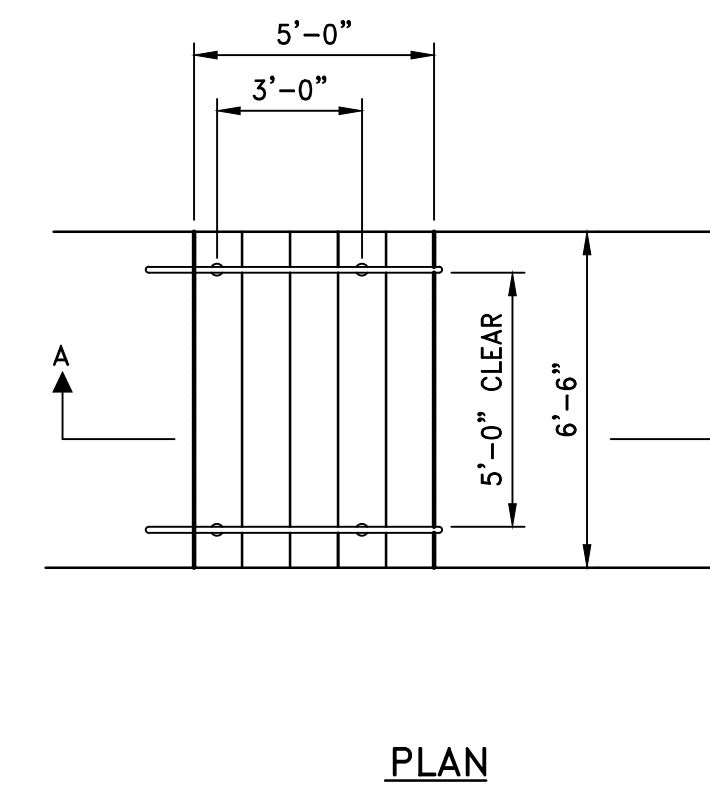
ATG = ADJUST TO GRADE

1. REFER TO ELECTRICAL PLANS FOR RELOCATED ELECTRICAL AND TEL/DATA DUCT BANKS.
2. CONTRACTOR SHALL SUBMIT FOR REVIEW WITH THE ENGINEER AND OWNER A PLAN (INCLUDING TESTING RESULTS) TO PLACE EXCESS EXCAVATED ONSITE MATERIAL (FREE OF ROOTS, SOD, RUBBISH OR OTHER DELETERIOUS OR ORGANIC MATTER) OVER THE ROOF DRAIN TO BE INSTALLED UNDERNEATH NEW BUILDING.



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[illegible]



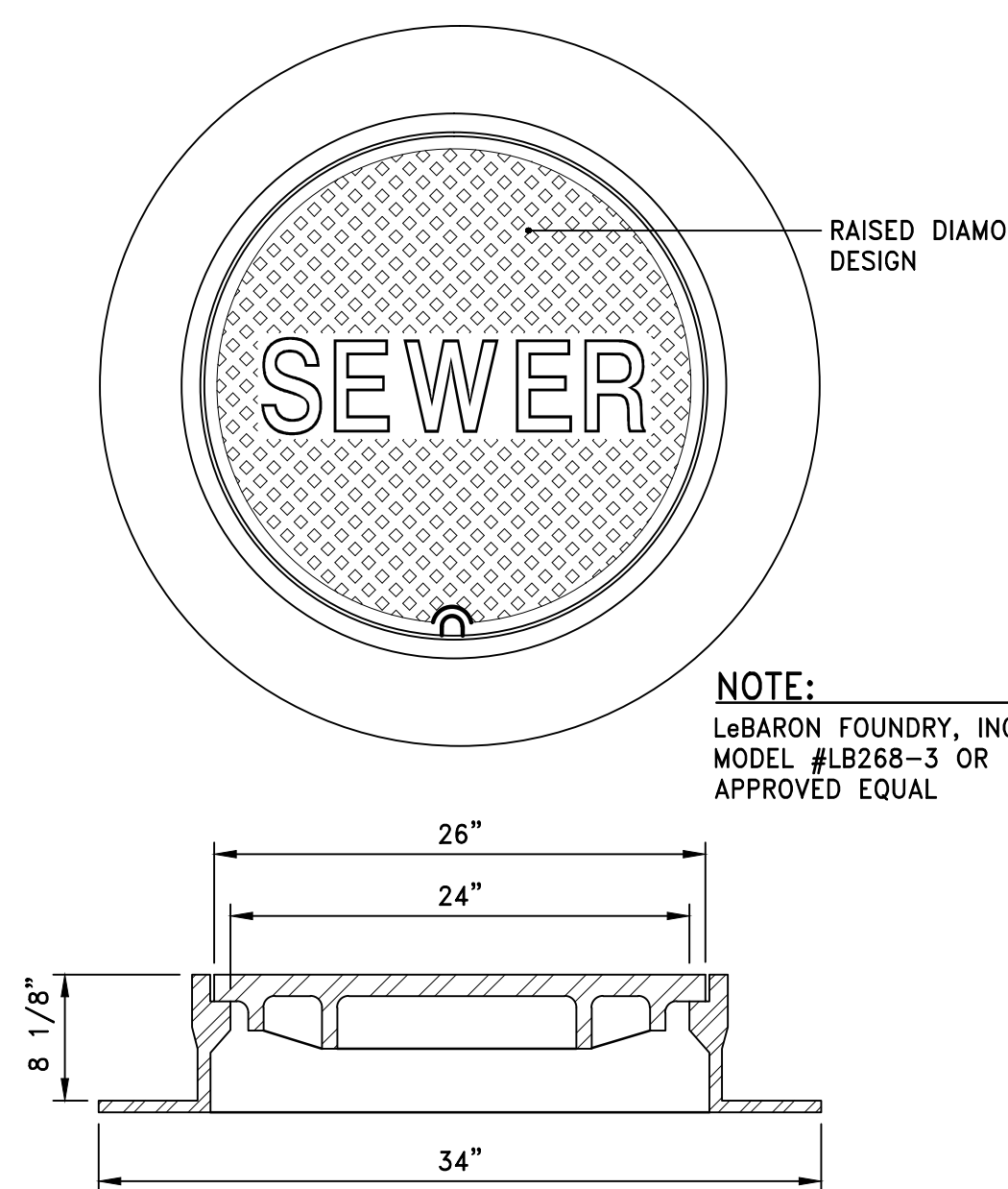
NOTES:

1. SEE SPECIFICATIONS SECTION 033000 CAST-IN-PLACE CONCRETE FOR MATERIALS AND INSTALLATION REQUIREMENTS.



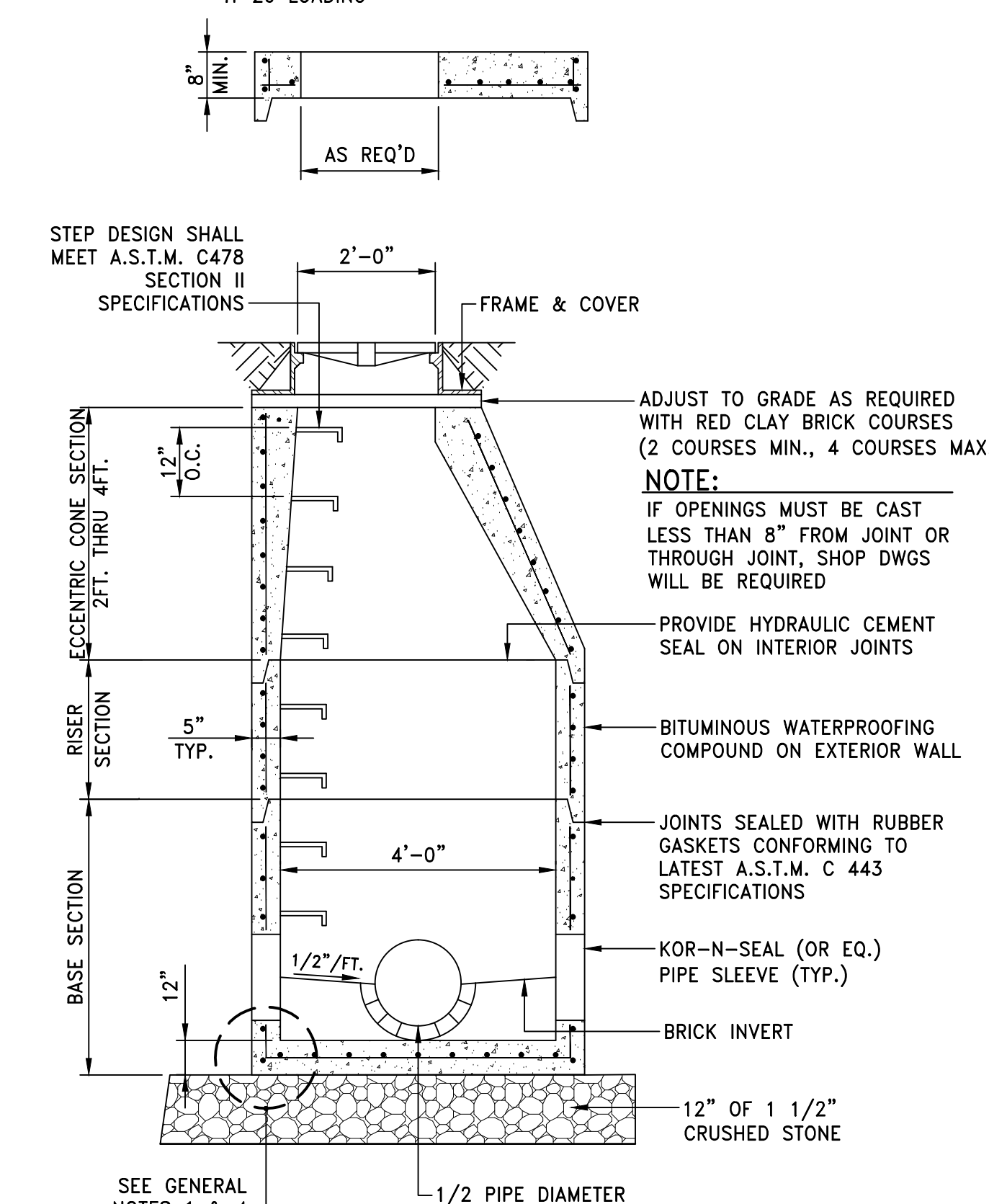
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- NOTES:**
1. REINFORCING STEEL CONFORMS TO LATEST A.S.T.M. A 185 SPEC. 0.12 SQ. IN./LINEAL FT. AND 0.12 SQ. IN. (BOTH WAYS) BASE BOTTOM
 2. CONC. MINIMUM COMPRESSIVE STRENGTH = 4000 PSI TYPE II CEMENT.
 3. MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C 478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
 4. ONE POUR MONOLITHIC BASE SECTION.

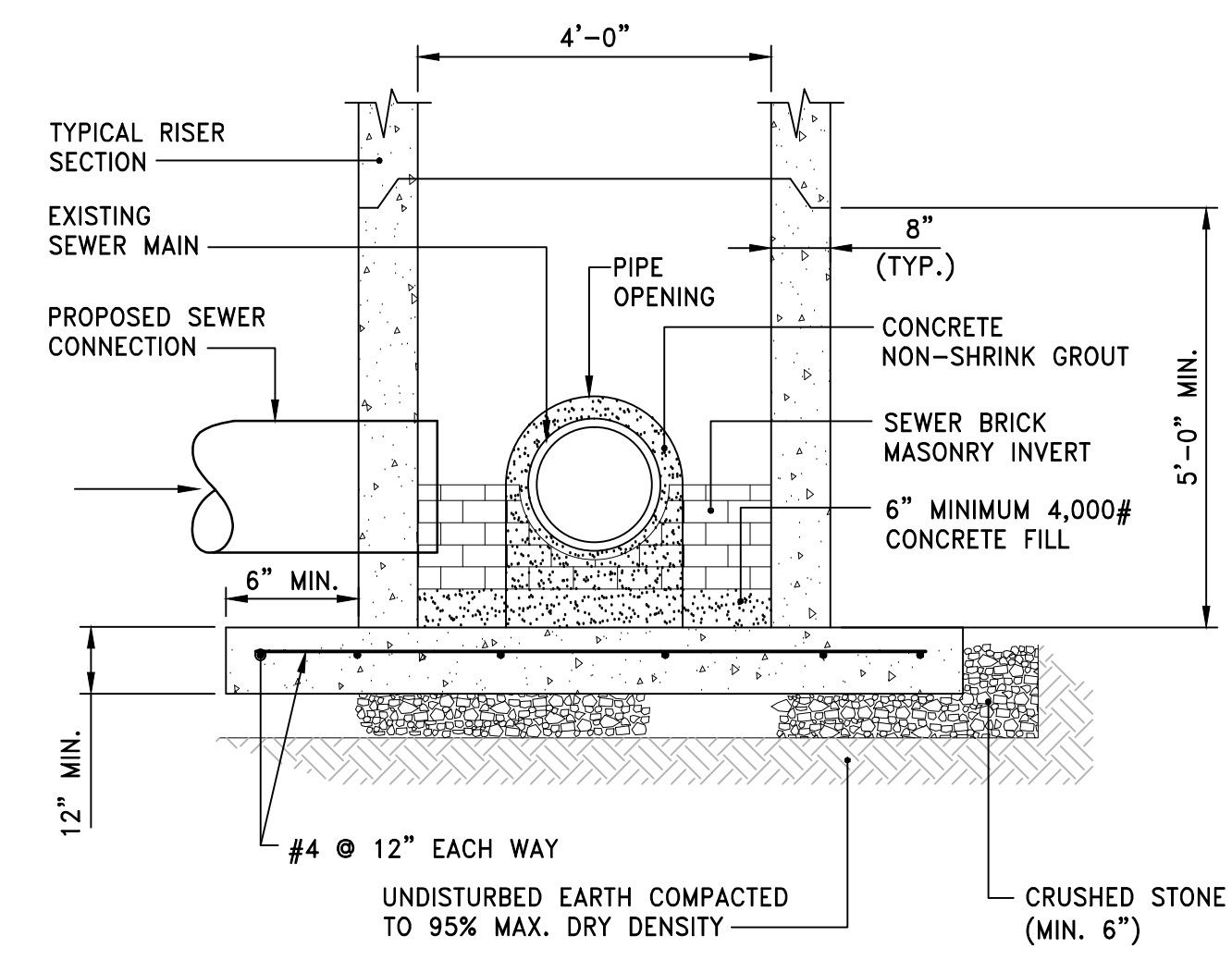


SANITARY MANHOLE FRAME & COVER

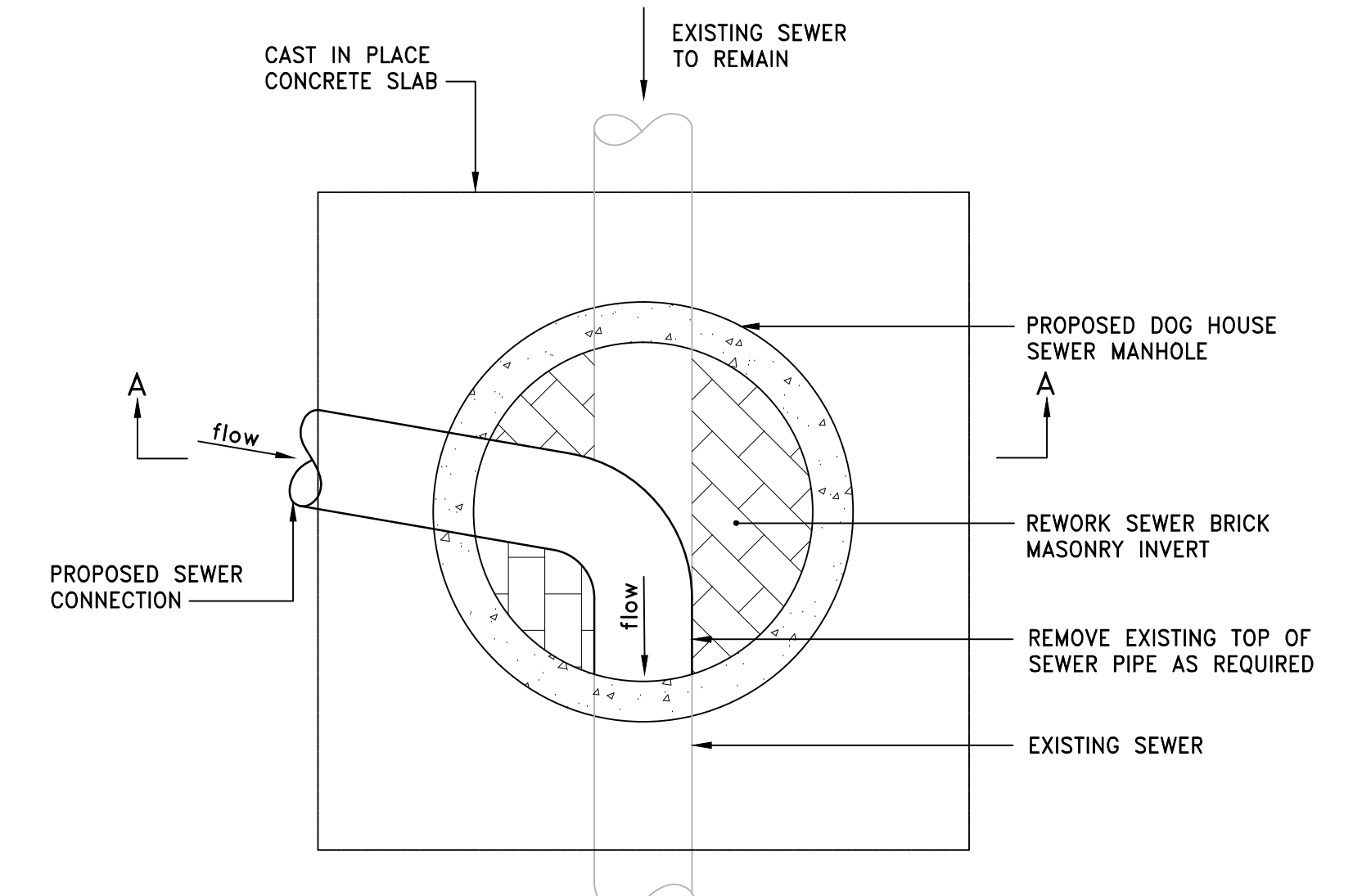
NOTE:
ALTERNATE TOP SLAB IS STEEL REINFORCED TO MEET OR EXCEED H-20 LOADING



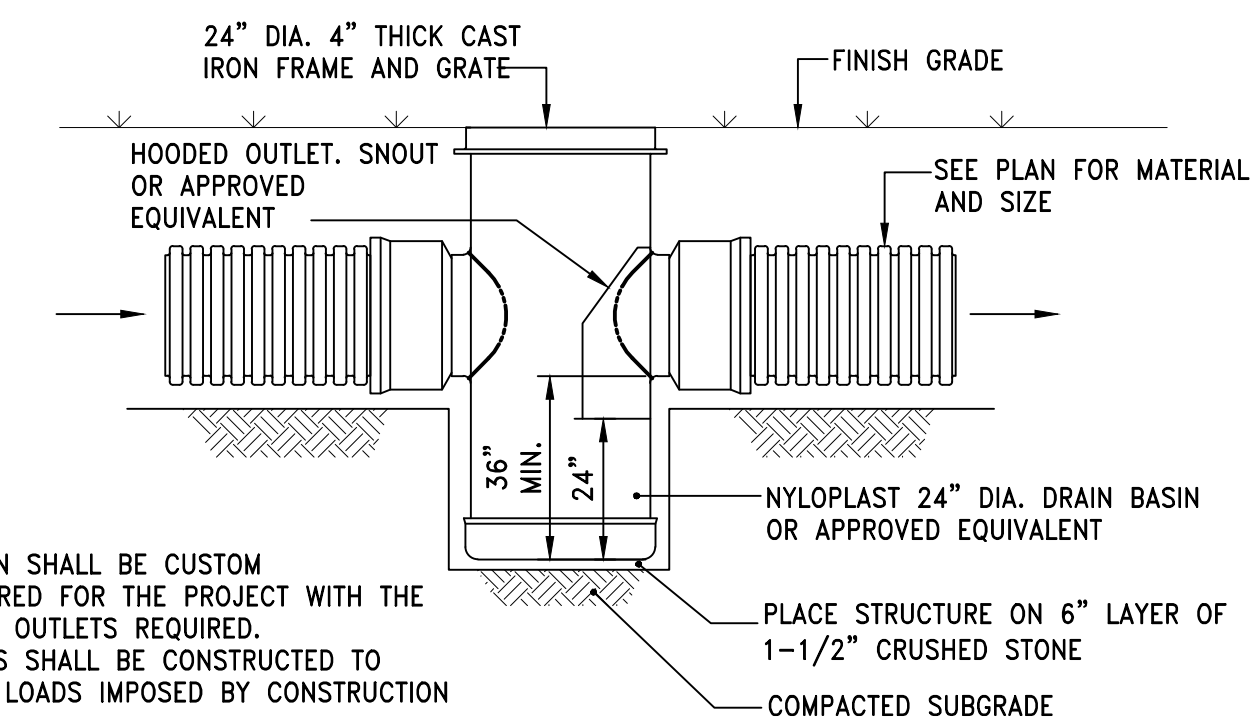
TYPICAL SEWER MANHOLE DETAIL
NOT TO SCALE



SECTION A-A
DOG HOUSE MANHOLE BASE
NOT TO SCALE

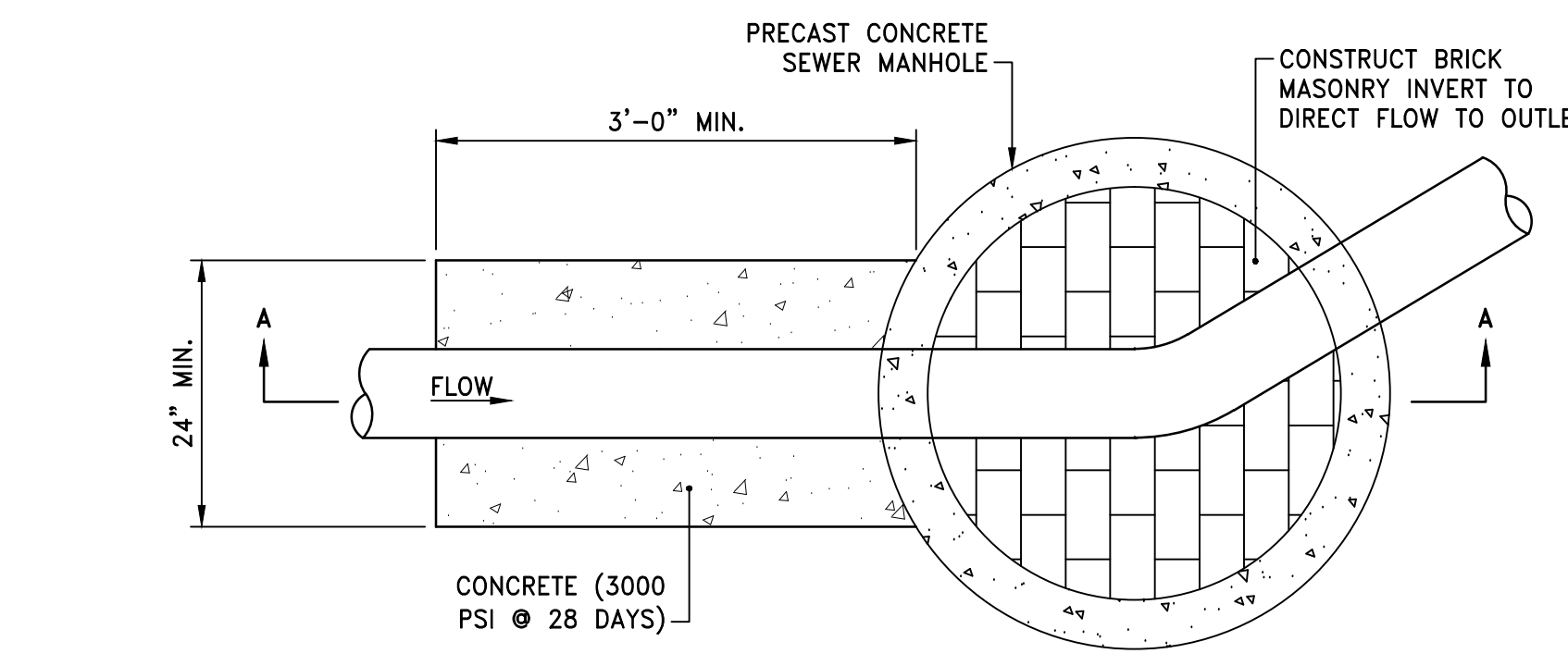


PLAN

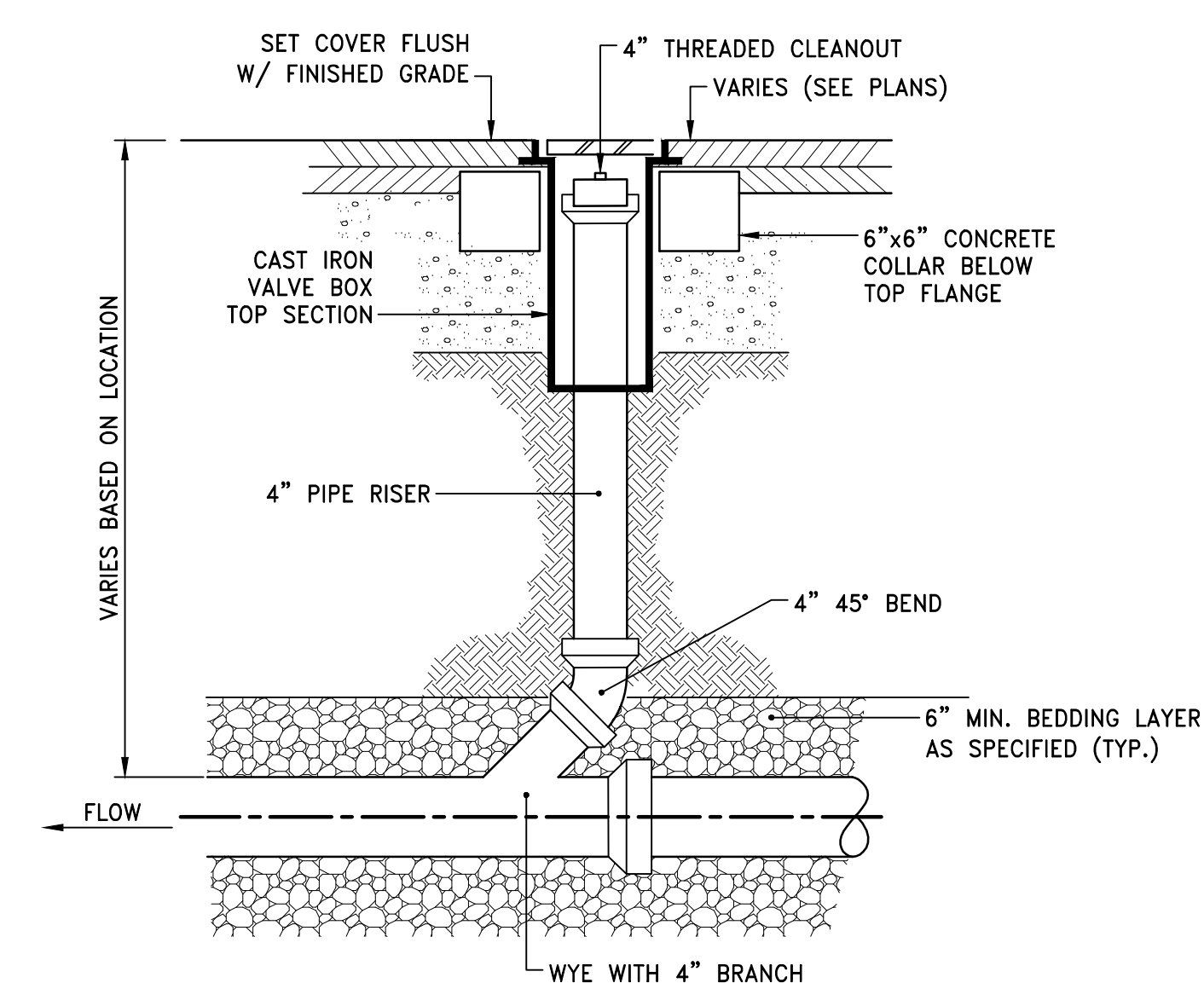


- NOTES:**
1. DRAIN BASIN SHALL BE CUSTOM MANUFACTURED FOR THE PROJECT WITH THE INLETS AND OUTLETS REQUIRED.
 2. STRUCTURES SHALL BE CONSTRUCTED TO WITHSTAND LOADS IMPOSED BY CONSTRUCTION VEHICLES.
 3. DRAIN BASIN SHALL BE CONSTRUCTED OF HIGH DENSITY POLYETHYLENE.
 4. PROVIDE HOODED OUTLET ON ALL CATCH BASINS.

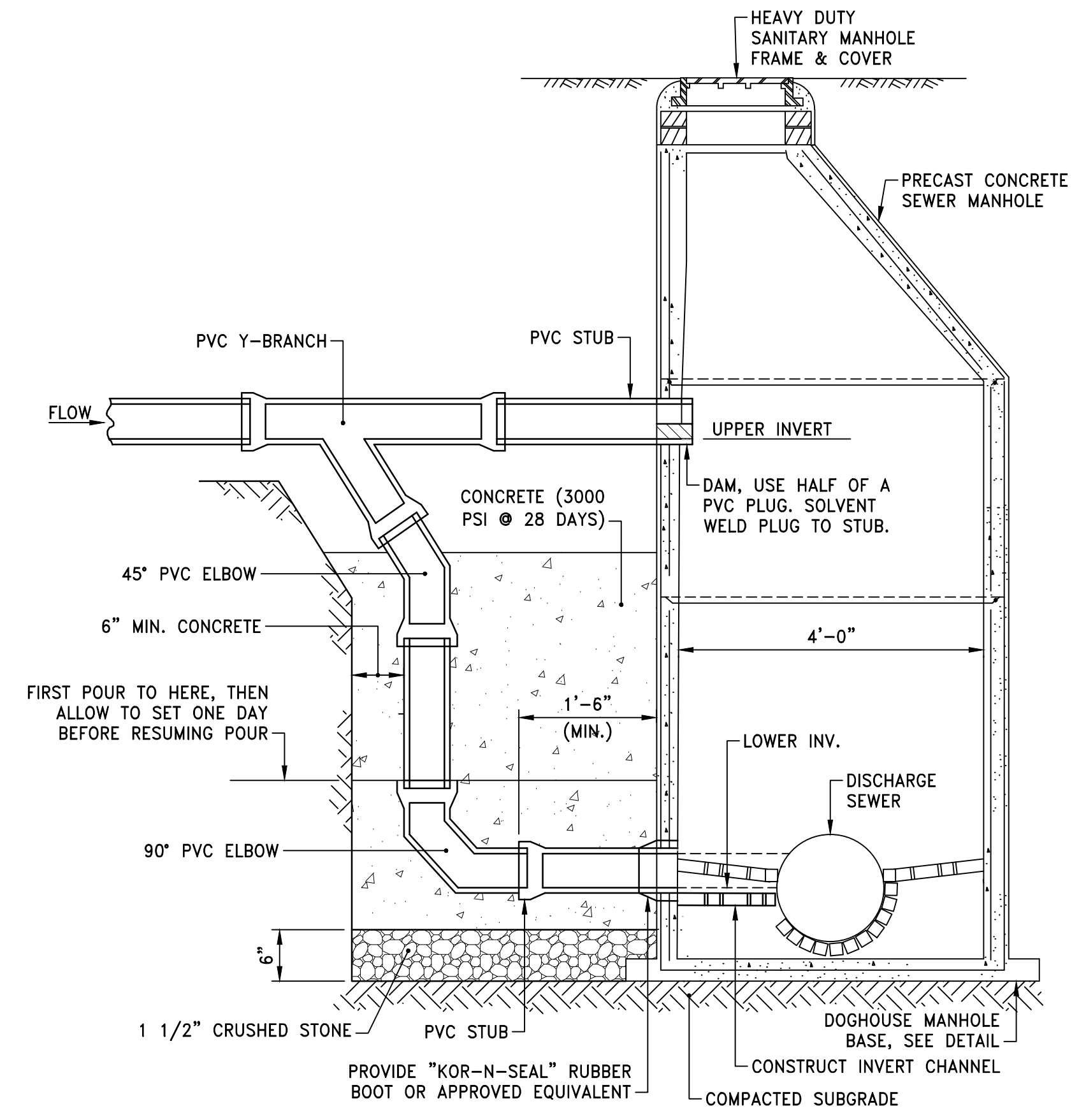
AREA DRAIN DETAIL
NOT TO SCALE



PLAN

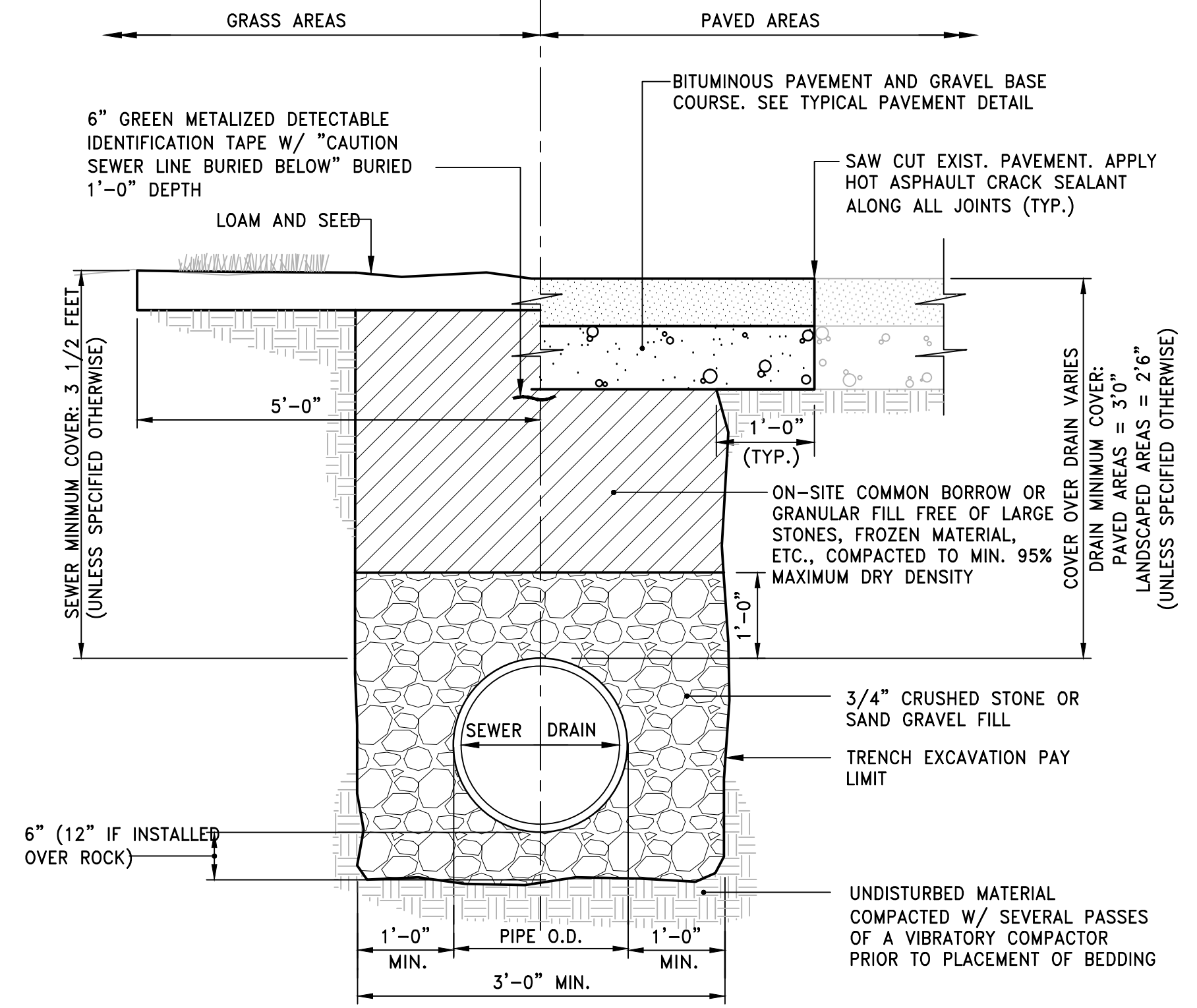


CLEANOUT DETAIL
NOT TO SCALE



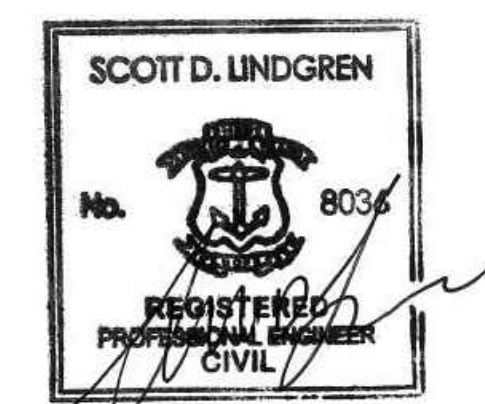
SECTION A-A

OUTSIDE DROP MANHOLE DETAIL
NOT TO SCALE



- NOTES:**
1. WHERE THE DISTANCE BETWEEN THE SAWCUT AND EDGE OF PAVEMENT IS 3' OR LESS, THE CONTRACTOR SHALL REPLACE THE PAVEMENT FROM THE TRENCH EDGE TO THE EXISTING EDGE OF PAVEMENT.
 2. 3/4" DIA. CRUSHED STONE SHALL BE USED AS BEDDING WHERE TRENCH IS BELOW THE GROUND WATER TABLE.

DRAIN/SEWER TRENCH DETAIL
NOT TO SCALE

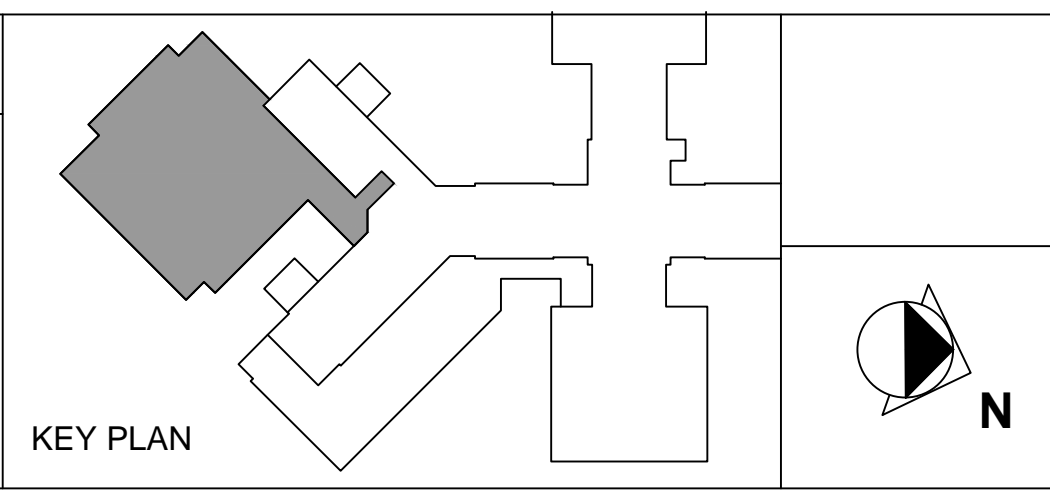


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Number	Date	Revision

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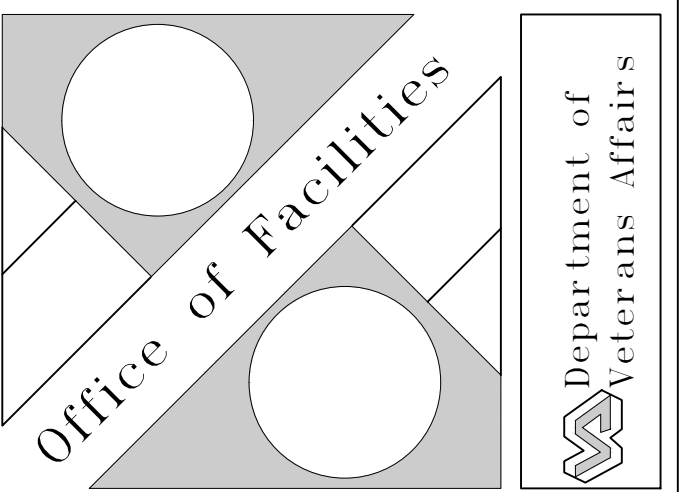
ARCHITECT
morris switzer environments for health 11 Drydock Ave, Suite 2060 Boston, MA 02210 T: 617.772.0260 F: 617.772.0261 www.morriisswitzer.com

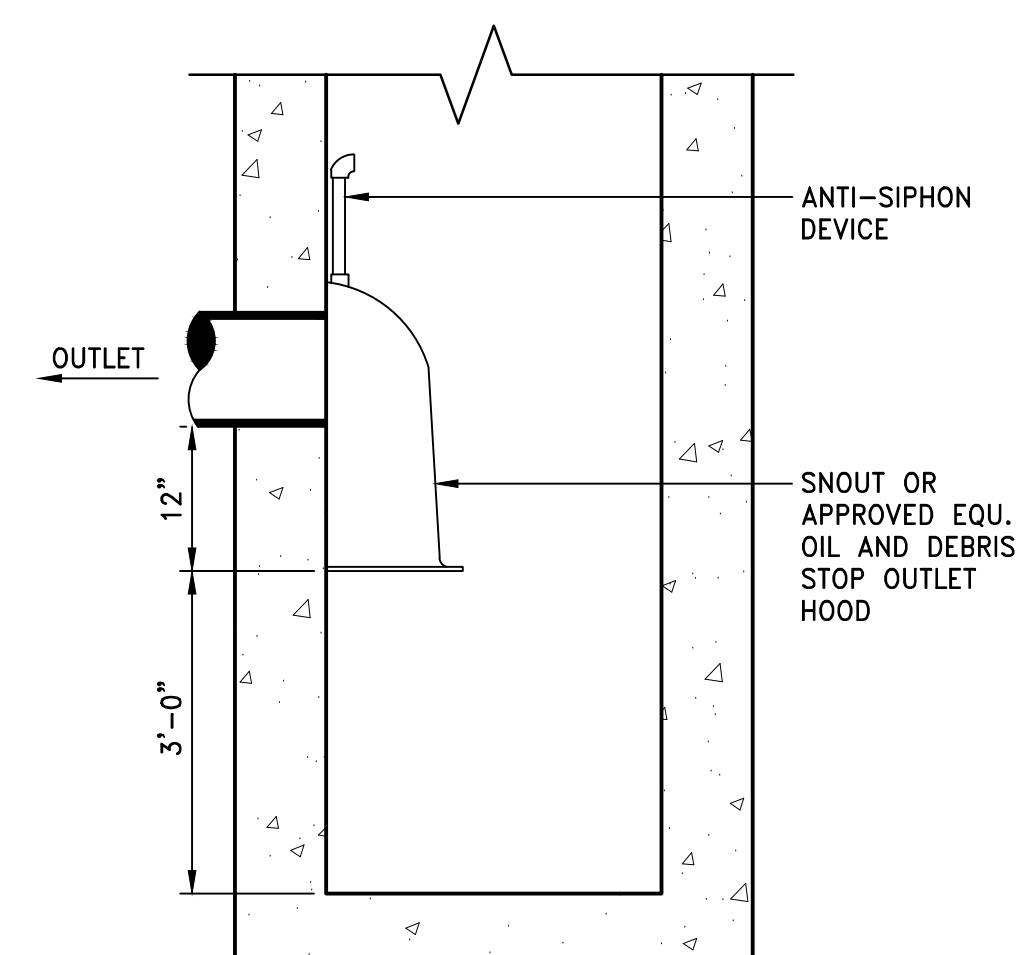
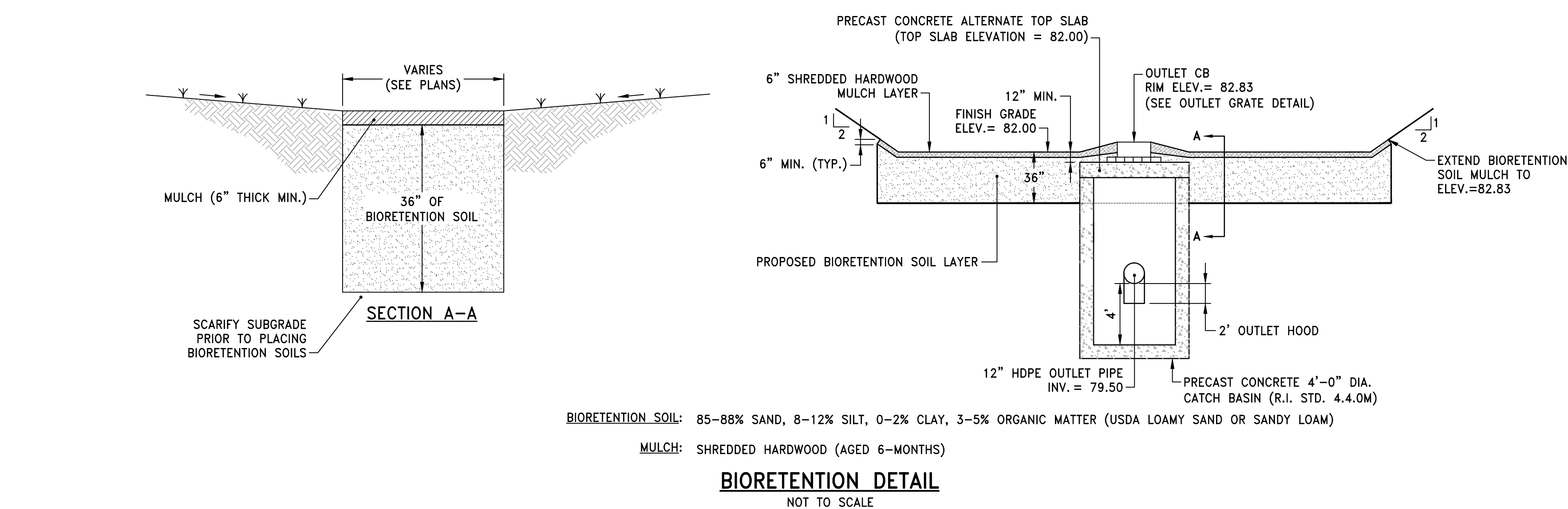


Drawing Title
Details III
Design By: JDG
Checked By: SDI
Approved By: SDI

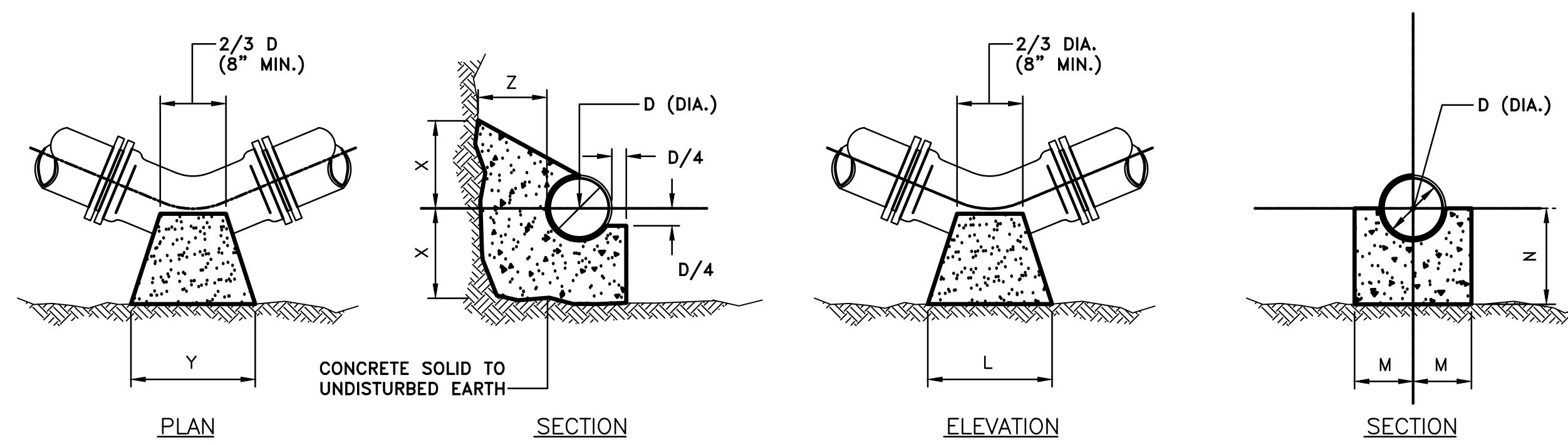
Project Title	
REPLACE / RELOCATE DEFICIENT ICU	
Building # 1	Scale NOT TO SCALE
Location PROVIDENCE, RI	

Date
2/27/2015
VA Project No.
650-324
Drawing No.
C-5.3



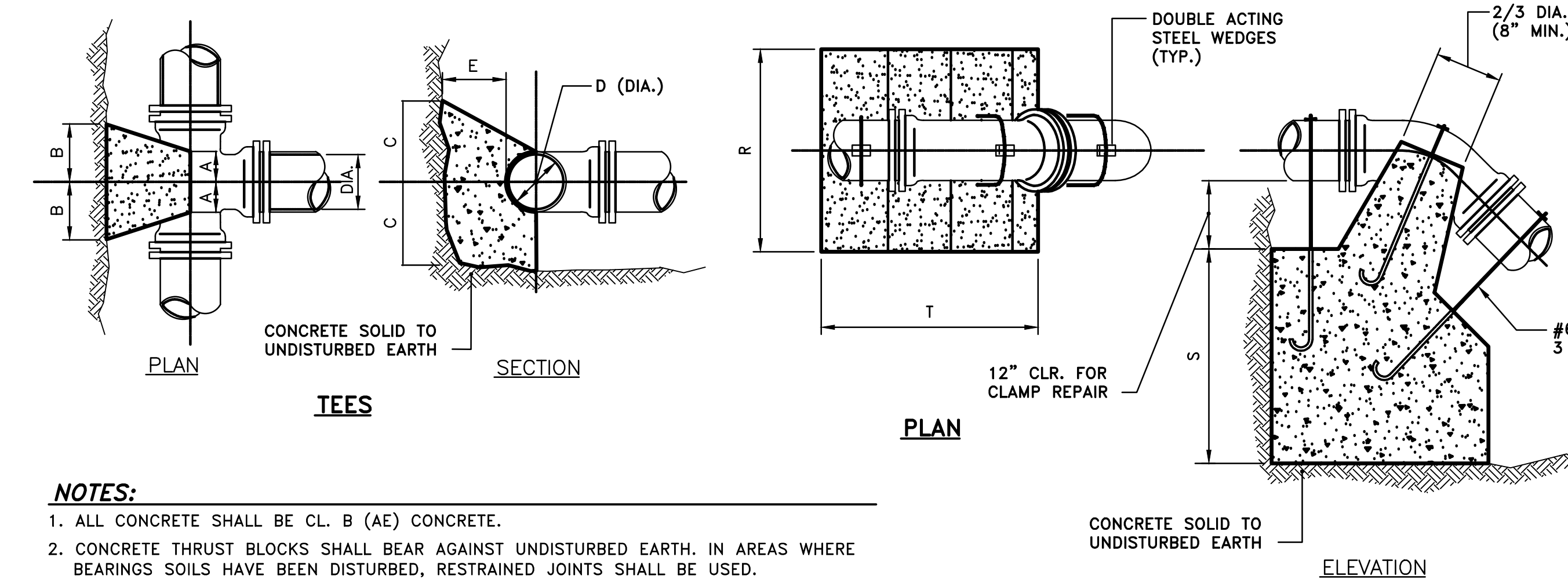


OUTLET HOOD DETAIL
NOT TO SCALE



HORIZONTAL BENDS

VERTICAL BENDS

TEES

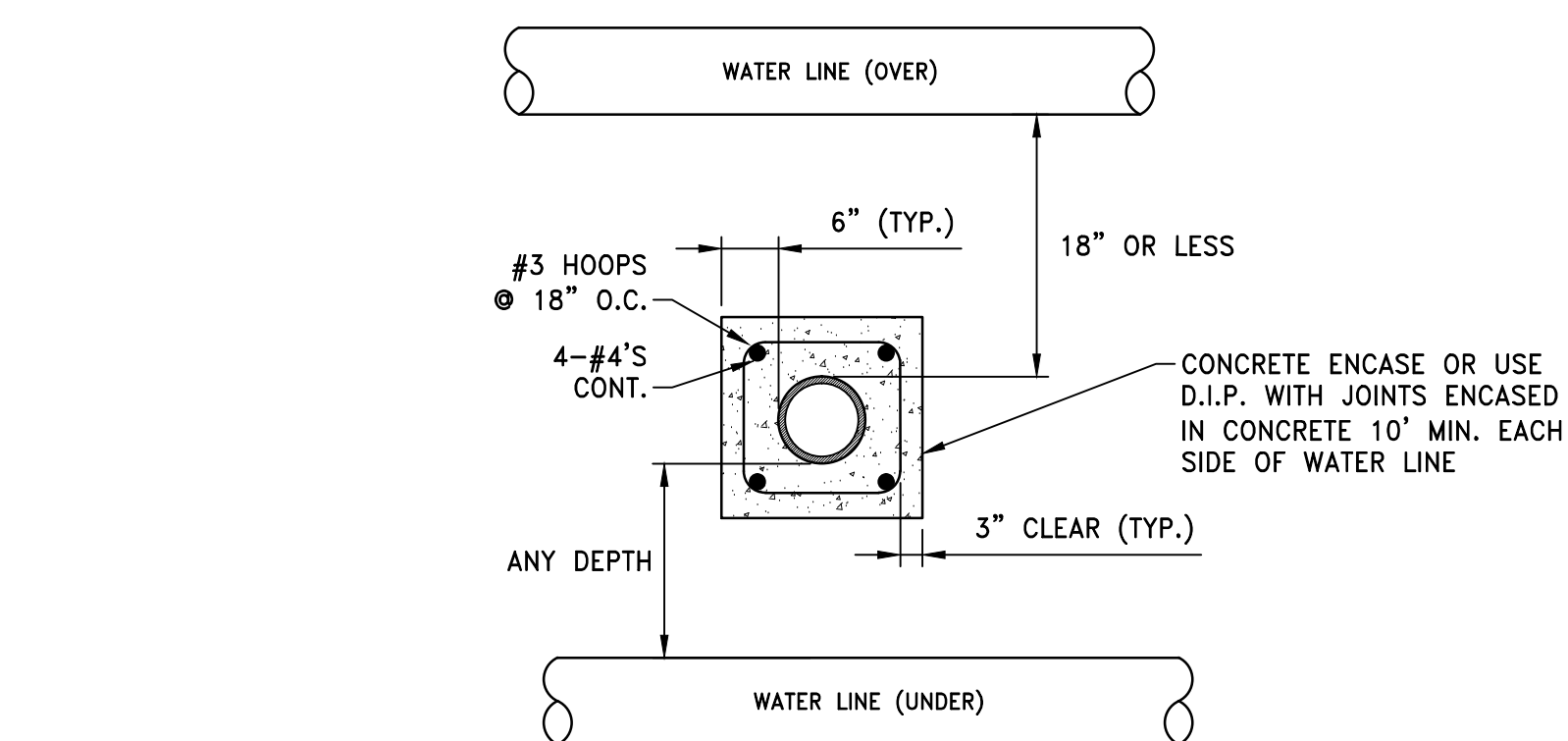
PLAN

CONC. ANCHORAGE

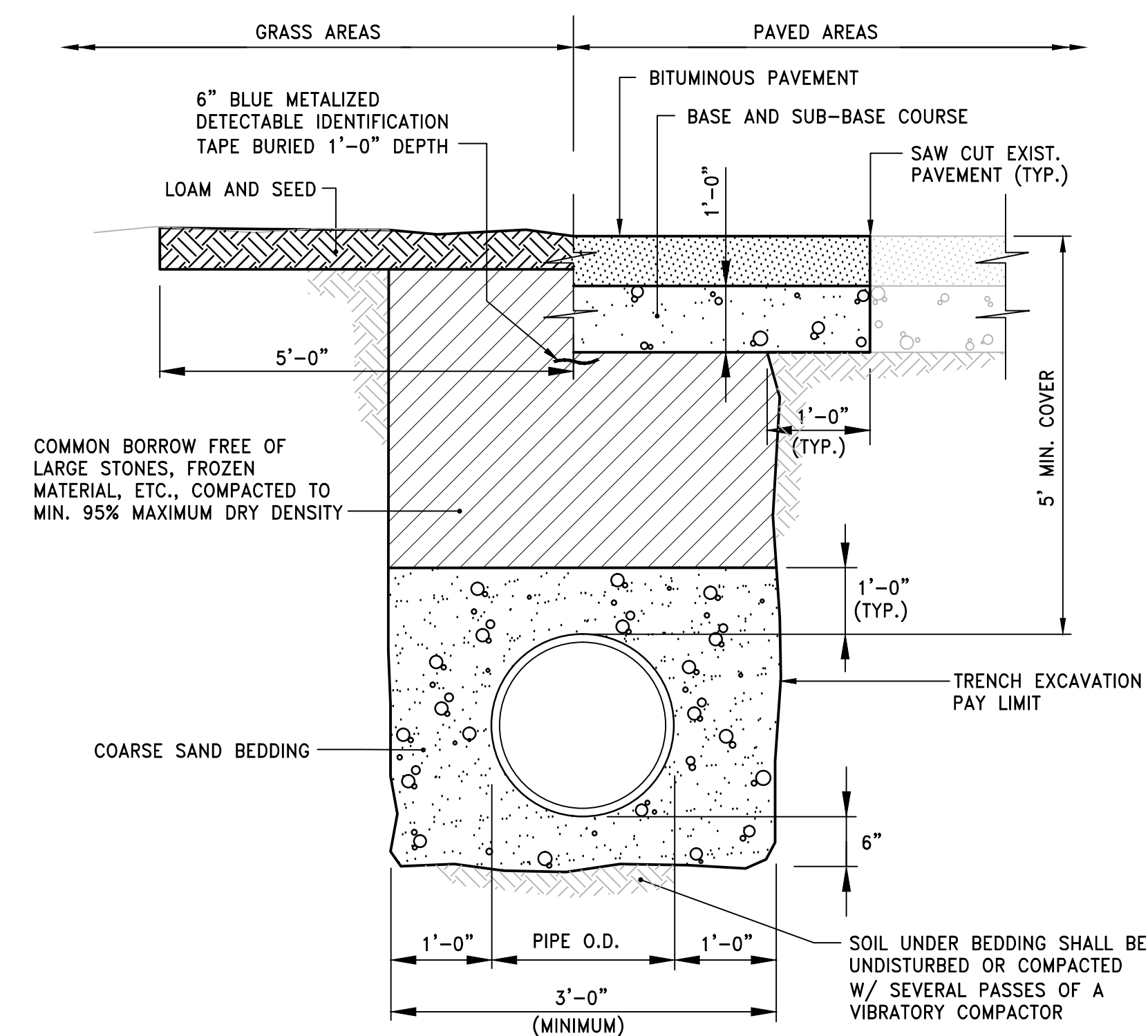
- NOTES:**
1. ALL CONCRETE SHALL BE CL. B (AE) CONCRETE.
 2. CONCRETE THRUST BLOCKS SHALL BEAR AGAINST UNDISTURBED EARTH. IN AREAS WHERE BEARINGS SOILS HAVE BEEN DISTURBED, RESTRAINED JOINTS SHALL BE USED.
 3. ALL WATER MAIN BENDS, TEES, MAIN TAPS, AND END CAPS SHALL REQUIRE A CONCRETE THRUST BLOCK.

TEES					HORIZONTAL BENDS					VERTICAL BENDS					ANCHORAGES									
PIPE SIZE-D (Dia.)					PIPE SIZE-D (Dia.)					PIPE SIZE-D (Dia.)					PIPE SIZE-D (Dia.)									
					BEND	6"	8"	12"	16"	20"	BEND	6"	8"	12"	16"	20"	BEND	6"	8"	12"	16"	20"		
A	8"	10"	1"-3"	1"-6"	1/8	X	1"-10"	1"-8"	2"-6"	3"-10"	1/8	L	1"-10"	1"-8"	2"-6"	3"-10"	1/8	R	2"-6"	4"-9"	4"-6"	5"-4"	6"-0"	
B	8"	10"	1"-2"	1"-4"	1/8	Y	1"-10"	1"-6"	2"-2"	2"-6"	1/8	M	7"	8"	11"	11"	14"	1/8	T	3"-6"	2"-9"	3"-6"	2"-6"	5"-6"
C	10"	10"	1"-10"	1"-3"	1/8	Z	8"	10"	1"-2"	1"-4"	1/8	N	7"	8"	11"	11"	14"	1/8	S	3"-6"	2"-9"	3"-6"	2"-6"	5"-6"
E	8"	10"	1"-2"	1"-6"	1/16	X	1"-10"	1"-8"	2"-6"	3"-10"	1/16	N	7"	7"	10"	10"	1"-2"	1/16	S	3"-6"	2"-9"	3"-6"	2"-6"	5"-6"
					1/16	Y	1"-10"	1"-4"	1"-6"	9"	1/16	M	7"	7"	10"	10"	1"-2"	1/16	T	2"-6"	3"-6"	4"-6"	6"-0"	8"-6"
					1/32	X	1"-10"	1"-10"	1"-2"	1"-4"	1/32	L	6"	8"	11"-10"	11"-10"	1"-9"	1/32	R	1"-6"	2"-6"	3"-6"	3"-6"	4"-3"
					1/32	Y	1"-10"	1"-10"	1"-2"	1"-4"	1/32	M	7"	7"	10"	10"	1"-9"	1/32	T	2"-9"	2"-9"	3"-6"	4"-6"	5"-8"
						Z	8"	10"	1"-2"	1"-4"		N	7"	8"	10"	10"	1"-9"							

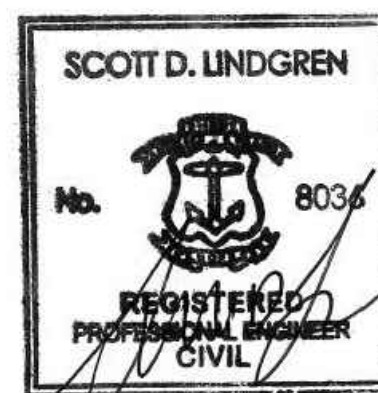
CONCRETE THRUST BLOCKS
NOT TO SCALE



SEWER & WATER CROSSING DETAIL
NOT TO SCALE



TYPICAL WATER MAIN TRENCH DETAIL
NOT TO SCALE



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[illegible]